

What is claimed is:

1. A cosmetic composition comprising bioactive glass and a substantially anhydrous cosmetic formulation.

2. The composition of claim 1, wherein the bioactive glass is melt-derived.

3. The composition of claim 1, wherein the bioactive glass is sol-gel-derived.

4. The composition of claim 1, wherein the bioactive glass is an aqueous extract.

5. The composition of claim 1, wherein the substantially anhydrous cosmetic formulation is selected from the group consisting of: lipstick, lipbalm, eye shadow, eye foundation, make-up foundation, and face powder.

6. The composition of claim 1 in the formulation of Example 4B.

7. The composition of claim 1 in the formulation of Example 4C.

8. The composition of claim 1 in the formulation of Example 5.

9. The composition of claim 1 in the formulation of Example 6.

10. The composition of claim 1 in the formulation of Example 7.

11. The composition of claim 1 in the formulation of Example 8.

12. The composition of claim 27 in the formulation of Example 9.

13. The composition of claim 27 in the formulation of Example 10B.

14. A method of making a cosmetic composition comprising combining bioactive glass with a substantially anhydrous cosmetic formulation.

15. The method of claim 14, wherein the bioactive glass is melt-derived.

16. The method of claim 14, wherein the bioactive glass is sol-gel-derived.

17. The method of claim 14, wherein the bioactive glass is an aqueous extract.

18. The method of claim 14, wherein the substantially anhydrous cosmetic formulation is selected from the group consisting of: lipstick, lipbalm, eye shadow, eye foundation, make-up foundation, and face powder.

19. The method of claim 14 to make the formulation of Example 4B.

20. The method of claim 14 to make the formulation of Example 4C.

21. The method of claim 14 to make the formulation of Example 5.

22. The method of claim 14 to make the formulation of Example 6.

23. The method of claim 14 to make the formulation of Example 7.

24. The method of claim 14 to make the formulation of Example 8.

25. The method of claim 34 to make the formulation of Example 9.

26. The method of claim 34 to make the formulation of Example 10B.

27. A cosmetic composition comprising bioactive glass, a cosmetic formulation and a buffer.

28. The composition of claim 27, wherein the bioactive glass is melt-derived.
29. The composition of claim 27, wherein the bioactive glass is sol-gel-derived.
30. The composition of claim 27, wherein the bioactive glass is an aqueous extract.
31. The composition of claim 27, wherein the buffer is citric acid.
32. The composition of claim 27, wherein the cosmetic formulation is selected from the group consisting of: lipstick, lipbalm, eye shadow, eye foundation, make-up foundation, and face powder.
33. The composition of claim 27 in the formulation of Example 9.
34. A method of making a cosmetic composition comprising combining bioactive glass, a cosmetic formulation, and a buffer.
35. The method of claim 34, wherein the bioactive glass is melt-derived.
36. The method of claim 34, wherein the bioactive glass is sol-gel-derived.
37. The method of claim 34, wherein the bioactive glass is an aqueous extract.
38. The method of claim 34, wherein the buffer is citric acid.
39. The method of claim 34, wherein the cosmetic formulation is selected from the group consisting of: lipstick, lipbalm, eye shadow, eye foundation, make-up foundation, and face powder.
40. The method of claim 34 to make the formulation of Example 9.

41. A non-irritating, stable cosmetic composition comprising bioactive glass and a cosmetic formulation, wherein the pH of the composition is between about 8 and about 12.

42. A method of making a non-irritating, stable cosmetic composition comprising combining bioactive glass and a cosmetic formulation, wherein the pH of the composition is between about 8 and about 12.

43. A non-irritating cosmetic composition comprising bioactive glass and a cosmetic formulation, wherein said cosmetic formulation comprises at least one substance that is skin-irritating when not in the composition.

44. A method of reducing and/or preventing skin irritation comprising applying the cosmetic composition of claim 43 to the skin.

45. An odor reducing cosmetic composition comprising bioactive glass and a cosmetic formulation.

46. A method of reducing odor comprising applying the cosmetic composition of claim 45 to a source of odor.

47. A UV-filtering cosmetic composition comprising bioactive glass and a cosmetic formulation.

48. The cosmetic composition of claim 47, wherein the bioactive glass is sol-gel-derived.

49. The cosmetic composition of claim 47 in the formulation of Example 1.

50. The cosmetic composition of claim 47 in the formulation of Example 2.

51. The cosmetic composition of claim 47 in the formulation of Example 3.
52. A method of blocking UV light from exposed skin comprising applying the cosmetic composition of claim 47 to the exposed skin.
53. A method of blocking UV light from exposed skin comprising applying the cosmetic composition of claim 49 to the exposed skin.
54. A method of blocking UV light from exposed skin comprising applying the cosmetic composition of claim 50 to the exposed skin.
55. A method of blocking UV light from exposed skin comprising applying the cosmetic composition of claim 51 to the exposed skin.
56. A moisture-absorbing cosmetic composition comprising bioactive glass and a cosmetic formulation.
57. The cosmetic composition of claim 56, wherein the bioactive glass is sol-gel derived.
58. A method of absorbing moisture comprising applying the cosmetic composition of claim 56 to a source of moisture.
59. A personal care composition comprising bioactive glass and a personal care product.
60. The composition of claim 59, wherein the bioactive glass is melt-derived.
61. The composition of claim 59, wherein the bioactive glass is sol-gel-derived.

62. The composition of claim 59, wherein the bioactive glass is an aqueous extract.

63. The composition of claim 59, wherein the personal care product is selected from the group consisting of: diaper products, adult incontinence products, feminine hygiene products, shampoo products, hair care products, deodorant products, foot care products, baby care products, sunscreen products, body cleanser products, skin care products, and nutritional supplement products.

64. A method of making a personal care composition comprising combining bioactive glass, and a personal care product.

65. The method of claim 64, wherein the bioactive glass is melt-derived.

66. The method of claim 64, wherein the bioactive glass is sol-gel-derived.

67. The method of claim 64, wherein the bioactive glass is an aqueous extract.

68. The method of claim 64, wherein the personal care product is selected from the group consisting of: diaper products, adult incontinence products, feminine hygiene products, shampoo products, hair care products, deodorant products, foot care products, baby care products, sunscreen products, body cleanser products, skin care products, and nutritional supplement products.

69. A non-irritating, stable personal care composition comprising bioactive glass and a personal care product, wherein the pH of the composition is between about 8 and about 12.

70. A method of making a non-irritating, stable personal care composition comprising combining bioactive glass and a personal care product, wherein the pH of the composition is between about 8 and about 12.

71. An odor-reducing personal care composition comprising bioactive glass and a personal care product.

72. A method of reducing odor comprising applying the personal care composition of claim 71 to a source of odor.

73. A UV-filtering personal care composition comprising bioactive glass and a personal care product.

74. The UV-filtering personal care composition of claim 73, wherein the bioactive glass is sol-gel-derived.

75. The personal care composition of claim 73, wherein the personal care product comprises sunscreen.

76. The personal care composition of claim 73 in the formulation of Example 1.

77. The personal care composition of claim 73 in the formulation of Example 2.

78. The personal care composition of claim 73 in the formulation of Example 3.

79. A method of blocking UV light from exposed skin comprising applying the personal care composition of claim 73 to the exposed skin.

80. A method of blocking UV light from exposed skin comprising applying the personal care composition of claim 76 to the exposed skin.

81. A method of blocking UV light from exposed skin comprising applying the personal care composition of claim 77 to the exposed skin.

82. A method of blocking UV light from exposed skin comprising applying the personal care composition of claim 78 to the exposed skin.

83. A moisture-absorbing personal care composition comprising bioactive glass and a personal care product.

84. The moisture-absorbing personal care composition of claim 83, wherein the bioactive glass is sol-gel derived.

85. A method of absorbing moisture comprising applying the personal care composition of claim 83 to a source of moisture.

86. A hair care composition comprising bioactive glass and a hair care product, wherein the hair care composition provides a mineral coating to the hair.

87. The hair care composition of claim 86 in the formulation of Example 11.

88. The hair care composition of claim 86 in the formulation of Example 12A.

89. The hair care composition of claim 86 in the formulation of Example 13A.



90. The composition of claim 1 comprising Red 7 Ca Lake, Red 6 Ba Lake, Red 33 Al Lake, castor oil, carnauba wax, candellila wax, ozokerite wax, microcrystalline wax, jojoba oil, vitamin E, methyl paraben, propyl paraben, and 45s bioactive glass.

91. The composition of claim 1 comprising Red 7 Ca Lake, Red 6 Ba Lake, Red 33 Al Lake, castor oil, carnauba wax, candellila wax, ozokerite wax, microcrystalline wax, jojoba oil, vitamin E, methyl paraben, propyl paraben, 45s bioactive glass, and 58s bioactive glass.

92. The composition of claim 1 comprising jojoba glaze and bioactive glass, wherein the bioactive glass has an average particle size less than about 5 microns.

93. The composition of claim 1 comprising glycerin, Pemulen® TR-2, and bioactive glass, wherein the bioactive glass has an average particle size less than about 5 microns.

94. The composition of claim 1 comprising jojoba glaze, brown iron oxide, titanium dioxide, talc, and sol-gel-derived bioactive glass.

95. The composition of claim 27 comprising mineral oil, Polawax®, glycerin, deionized water, juguar C-14S, phenobact, fragrance, citric acid monohydrate powder, and sol-gel-derived bioactive glass.

96. The composition of claim 27 in the formulation of Example 10C.

97. The composition of claim 27, comprising crodafos CES, volpo 10, volpo 3, jojoba oil, cyclomethicone D5, deionized water, NaOH, TiO<sub>2</sub>, red iron oxide, 50/50 Black/brown iron oxide blend, propylene glycol, jaguar 13S, germaben II, and 45s bioactive glass.

98. The composition of claim 27, comprising crodafos CES, volpo 10, volpo 3, jojoba oil, cyclomethicone D5, deionized water, NaOH, TiO<sub>2</sub>, red iron oxide, 50/50 Black/brown iron oxide blend, propylene glycol, jaguar 13S, germaben II, and 58s bioactive glass.

99. The method of claim 14 to make a formulation comprising Red 7 Ca Lake, Red 6 Ba Lake, Red 33 Al Lake, castor oil, carnauba wax, candellila wax, ozokerite wax, microcrystalline wax, jojoba oil, vitamin E, methyl paraben, propyl paraben, and 45s bioactive glass.

100. The method of claim 14 to make a composition comprising Red 7 Ca Lake, Red 6 Ba Lake, Red 33 Al Lake, castor oil, carnauba wax, candellila wax, ozokerite wax, microcrystalline wax, jojoba oil, vitamin E, methyl paraben, propyl paraben, 45s bioactive glass, and 58s bioactive glass.

101. The method of claim 14 to make a composition comprising jojoba glaze and bioactive glass, wherein the bioactive glass has an average particle size less than about 5 microns.

102. The method of claim 14 to make a composition comprising glycerin, Pemulen® TR-2, and bioactive glass, wherein the bioactive glass has an average particle size less than about 5 microns.

103. The method of claim 14 to make a composition comprising jojoba glaze, brown iron oxide, titanium dioxide, talc, and sol-gel-derived bioactive glass.

104. The method of claim 34 to make a composition comprising mineral oil, Polawax®, glycerin, deionized water, juguar C-14S, phenobact, fragrance, citric acid monohydrate powder, and sol-gel-derived bioactive glass.

105. The method of claim 34 to make the formulation of Example 10C.

106. The method of claim 34 to make a composition comprising crodafos CES, volpo 10, volpo 3, jojoba oil, cyclomethicone D5, deionized water, NaOH, TiO<sub>2</sub>, red iron oxide, 50/50 Black/brown iron oxide blend, propylene glycol, jaguar 13S, germaben II, and 45s bioactive glass.

107. The method of claim 34 to make a composition comprising crodafos CES, volpo 10, volpo 3, jojoba oil, cyclomethicone D5, deionized water, NaOH, TiO<sub>2</sub>, red iron oxide, 50/50 Black/brown iron oxide blend, propylene glycol, jaguar 13S, germaben II, and 58s bioactive glass.

108. The composition of claim 47 comprising jojoba glaze, octyl methoxycinnamate, benzophenone-3 and bioactive glass.

109. The composition of claim 47 comprising jojoba glaze, octyl methoxycinnamate, benzophenone-3 and sol-gel-derived bioactive glass.

110. The composition of claim 73 comprising jojoba glaze, octyl methoxycinnamate, benzophenone-3 and bioactive glass.

111. The composition of claim 73 comprising jojoba glaze, octyl methoxycinnamate, benzophenone-3 and sol-gel-derived bioactive glass.

112. The composition of claim 86 comprising standopol ES, crosultaine C-50, foamid C, deionized water, jaguar C-14S, phenobact, fragrance, citric acid monhydrate powder, and bioactive glass.

113. The hair care composition of claim 86 in the formulation of Example 12D.

114. The composition of claim 86 comprising standopol ES, crosultaine C-50, foamid C, deionized water, phenobact, citric acid monhydrate powder, and bioactive glass.

115. The hair care composition of claim 86 in the formulation of Example 13B.

116. The hair care composition of claim 86 in the formulation of Example 13C.

117. The hair care composition of claim 86 in the formulation of Example 13D.

118. The composition of claim 86 comprising steol CS-230, crosultaine C-50, foamid C, deionized water, phenobact, citric acid monhydrate powder, and bioactive glass.

119. The composition of claim 86 comprising steol CS-230, crosultaine C-50, foamid C, deionized water, phenobact, and bioactive glass.

120. The composition of claim 1 comprising jojoba oil, Lubrajel® MS, pigment, and bioactive glass.

121. The composition of claim 1 comprising Polawax, mineral oil, glycerin, Jaguar C14-S, citric acid, Phenobact, colorant, fragrance, and bioactive glass.

122. The composition of claim 59 comprising a deodorant stick and bioactive glass, wherein the bioactive glass is between about 4% and about 10% by weight of the composition.

123. The composition of claim 59 comprising a deodorant cream and bioactive glass, wherein the bioactive glass is between about 30% and about 60% by weight of the composition.

124. A nutritional supplement composition comprising bioactive glass and a nutritional supplement.

125. The composition of claim 124, wherein the bioactive glass is melt-derived.

126. The composition of claim 124, wherein the bioactive glass is sol-gel-derived.

127. The composition of claim 124, wherein the bioactive glass is an aqueous extract.

128. The composition of claim 124, wherein the nutritional supplement is selected from the group consisting of: antacids, calcium supplements, and silica supplements.

129. The composition of claim 124, further comprising iodine.

130. A method of making a nutritional supplement composition comprising combining bioactive glass and a nutritional supplement.

131. The method of claim 130, wherein the bioactive glass is melt-derived.

132. The method of claim 130, wherein the bioactive glass is sol-gel-derived.

133. The method of claim 130, wherein the bioactive glass is an aqueous extract.

134. The method of claim 130, wherein the nutritional supplement is selected from the group consisting of: antacids, calcium supplements, and silica supplements